



SOFTWARE CM POLICY

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SOFTWARE CM POLICY

◆ GOAL

- To develop a navy wide system for recording and updating the software configuration along with the hardware configuration of Fleet units and their associated test facilities

◆ RATIONALE

- Software configurations must be not only accurately recorded, but widely accessible
- Several systems and processes are used today
- A common system is required for recording configuration

SOFTWARE CM POLICY

◆ Advantages

- Single source for software CM information
- Widely visible and readily accessible
- Will reduce the number of Data Call demands
- Improved accuracy
- Software/Hardware association
- Clear software policy
- Assist BGI by identifying platforms in need of focused resources ensuring the targeted platforms can deploy with her !

SOFTWARE CM POLICY

◆ Objectives

- Establish, document, and maintain S/W configuration baselines
- Identify afloat software to its application
- Document revisions, patches, and other changes
- Identify S/W configuration managers

◆ Implementation

- Proposed process
- Develop prototype
- Execute prototype
- Evaluate prototype
- Refine and implement final process

SOFTWARE POLICY PROTOTYPE OBJECTIVES

- ◆ Ensure a workable process
 - Determine which steps work well and which do not
 - Modify the process to incorporate improvements
- ◆ Refine required data elements
- ◆ Identify changes to CDMD-OA
- ◆ Identify resource requirements
- ◆ Execute process on a Battle Group (TR/BATAAN 01)
- ◆ Capture metrics
- ◆ Measure effectiveness and resource utilization

SOFTWARE POLICY PROTOTYPE PHASES

- ◆ Phase I – Generated Test Work files and transmission
- ◆ Phase II – AWS, CG 55
- ◆ Phase III – Execute Prototype
- ◆ Phase IV – Once completed; notification

SOFTWARE POLICY

- ◆ Ship/Hull (UIC)
- ◆ Designated Combat/C4I System
- ◆ Software version designation
 - Add software records to existing hardware records
 - Identify media on which software resides
 - Identify hardware item on which software operates (NHA)
 - Provide opportunity to record special characteristics or description of changes

REQUIRED SOFTWARE DATA ELEMENTS

◆ RIC - XRIC utilized for non-provisioned software

- XSFT00 + assigned number
- Tab A - RIC NM = Software Version ID
- Tab B - EIN = Software Version ID , CAGE
- TAB C - SW:(software Version ID):(narrative)

◆ NHA - EIN of parent hardware

◆ SN - Media and Serial Number

◆ P RIC - Parent Hardware RIC

◆ P SN - Serial Number of Parent Hardware

◆ SAC - SWFTR

◆ DISCPL - V

◆ DISI - A

◆ EFD - Parent system and software ID

METRICS

- Is the software identification data accurate?
- How long does it take to initialize data.
- What changes to the established baseline occur? List type of change – s/w upgrades, and/or typos/corrections to data.
- TCD: How many emergent changes occur.
- How many records per system – Initial load, maintenance, and at the end?
- How many records/files are sent to SEA 53?

SOFTWARE POLICY ROLES

◆ **SEA04L5/SPM/PARM**

- Define S/W Configuration Management Process
- Develop and implement prototype process
- Submit SRS for required CDMD-OA changes
- Develop and promulgate guidance for S/W CM process
- Measure effectiveness

◆ **ISEAs/SSAs/SPM/PARM**

- Define software configurations
- Generate Work Files containing required S/W data
- Measure effectiveness

◆ **CDMs/SPM/PARM**

- Review and validate the Work Files
- Upload the Work Files
- Measure effectiveness

WORKSHOP OBJECTIVES

- ◆ Review individual responsibilities
 - ISEA, SSA, and CDM functions
 - Verify POC information
- ◆ Demonstrate the prototype process
 - Review process flow charts
 - Generate software configuration work files on-line
- ◆ Identify and address implementation issues
- ◆ Discuss exceptions, special procedures, etc...

Workshop Panel Members

- ◆ Billy Douglas, NAVSEA 53H, BFI
- ◆ D. Caroline Kowalsky, NAVSEA 05L526, CM
- ◆ Bill Phelps, NSLC Concord, CDMD-OA Programmer
- ◆ Lisa Guthrie, DLDN, SSA/ISEA
- ◆ Patty Saldana, NSWC PHD, ISEA
- ◆ Patti Boeck, NSWC PHD, ISEA
- ◆ Jeff Drewry, NNVA, CDM
- ◆ Mike McCown, KPWA, ISEA

SUMMARY

DATA REQUIRED FOR SOFTWARE CM

Ship

System

Software Version Number

Media Type & Serial Number

Parent Equipment

Date Installed

SUMMARY

Process To Be Followed

Generate XRIC

Identify Parent Equipment

Copy Parent Equipment RT-2

Modify Copied RT-2 With Software Data and XRIC

Associate Copied RT-2 To Parent

Save

Level of Reporting

Determined By SEA 53 Requirements

Same Level As Present Data Calls

May Be Modified By Changing Requirements

SUMMARY

SOFTWARE REPORTING LEVELS

1

C2P
AN/USQ-62

M5R409A02

2

ACDS Block 1
AN/SYQ-24

2.1.7 PL 76

3

ASWCS
AN/SQQ-89

SET 5C

TMP T2X07755E
w/Patch xx
DSP D2X072E w/Patch
xx
OMS Base2X0702
DMP 2.1.X.7.1
DDK 2.1.X.7.4

AN/SQR-19

SW

AN/SQS-53C

SW

AN/SQQ-28

SW

MK 116 MOD 7

SW

CM TRAINING

NAVSEA NOTE 4130

CDMD-OA Tech Spec 9090-700 Series

CDM/ISEA Website: <http://www.nsic.navsea.navy.mil/cdm/index/nsf>

CDMD-OA Website: <http://www.cdmd.navy.mil/pages/indexV4.htm>

FMP Manual SL720-AA-010 and 020

FMP Policy Manual Vol I and II

FMP Website: <http://www.fmp.navy.mil>

OPNAVINST 4790.4C - 3-M Manual

PCOE Website: <http://www.nsic.navsea.navy.mil/techlog/pcoe/index.htm>

PA FOS Manual: <http://www.nsic.navsea.navy.mil/nslcprcd/pafos.nsf>

Navy Supply Corps School, Athens, Georgia
Storekeeper Rate Manuals

CDM

SSA/ISEA

SAILOR